IMPROVING SAFETY ON AND OFF THE HIGHWAY

BASIC COMMERCIAL TIRE SERVICE

Companies that wish to provide OSHA compliance training for new hires and experienced technicians using an in-house program without certification can participate in the **Basic CTS Program** (200 Level). This is a 8-hour video/workbook training program that can be conducted by a company-designated instructor. The instructor uses the TIA's Instructor Guide to lead the class through the videos and Student Workbooks that use lesson plans and module quizzes.

Following the training, the students complete a 50-question Final Exam. The last page of the Student Workbook contains the OSHA Skills Demonstration Form, which must be sent into TIA with the Final Exam answer sheet. Those who successfully pass earn a **TIA Certificate of Completion**.

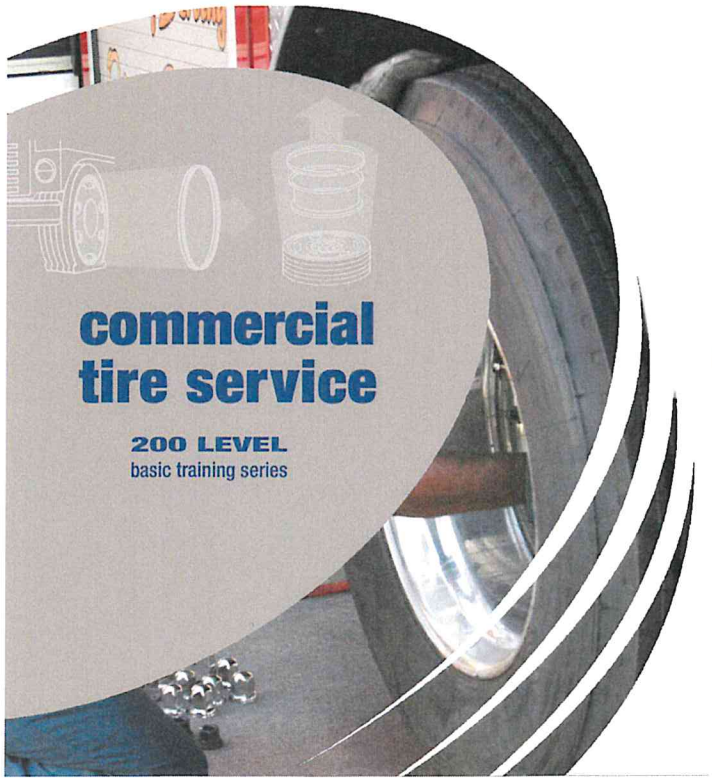
These are the 12 Modules that make up the **Basic CTS Program**.

Module 1: Safety. Includes Personal Protective Equipment, lifting safety, and other topics like heat stroke and frostbite prevention.

Module 2: Basic Tire Info. Addresses tire construction, sizing and nomenclature, inflation pressure, tread design and compound for different applications, speed rating and all special service ratings and identification.

Module 3: Rims and Wheels. Outlines the difference between rims and wheels including the nomenclature for both assemblies. It will also identify and address the different type of hub and drum assemblies for commercial vehicles.

Module 4: OSHA Regulations. The video will include the script of the OSHA Regulation 29 CFR 1910.177 with images supporting the wording. The Manual will also include the OSHA Demount/Mount and Rim Matching Charts.



Module 5: Jacking and Lifting. Outlines procedures for properly jacking, lifting and supporting trucks, tractors and trailers. It will focus on jack and jack stand identification and operation as well as the proper position of each when lifting one, two, or three axles

Module 6: Torque. Defines the relationship between torque and clamping force when installing wheels and rims. This in-depth look at how tightening a fastener creates the force that holds the assemblies to the vehicles will help technicians understand the importance of the RIST procedure (Remove debris, Inspect components, Snug in a star, Torque to spec).

Module 7: Wheel End Safety. Addresses wheel end fires, commercial vehicle inspection, wheel-off prevention, and wheel end maintenance.

Module 8: Hub-Pilot Wheels. Puts the basic principles of the previous two modules to work with hub-pilot wheel removal as well as the inspection and installation guidelines that accompany the RIST procedure.

Module 9: Stud-Pilot Wheels. Focuses on stud-pilot wheel removal as well as the inspection and installation guidelines that accompany the RIST procedures.

Module 10: Demountable Rims. Addresses demountable rim removal as well as the inspection and installation guidelines that accompany the RIST procedures.

Module 11: Single-Piece. Dedicated to single-piece demount, mount and inflation procedures with an increased emphasis on disc wheel inspection, valve stem installation (including torque) and concentric bead seating techniques.

Module 12: Multi-Piece. Covers the basics for demounting, mounting and inflating two-piece and three-piece multi-piece assemblies.

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